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WA-25-5010

STATE OF
WASHINGTON
Dixy Lee Ray
Governor

January 3, 1980

Mr. Richard Elliott
Technical Director
Longview Fibre Company
Post Office Box 639
Longview, Washington 98632

Dear Mr. Elliott:

The enclosed information documents the results of an annual wastewater inspection conducted by Department of Ecology staff at Longview Fibre on November 15, 1979. Bob Bishop and I acted as department representatives. We were accompanied by Mr. Dan Tangerone of the U.S. Environmental Protection Agency and aided throughout the inspection by Dick Wirtz of Longview Fibre. The primary intent of our visit was to review and/or inspect all mill systems involved in wastewater handling, treatment, monitoring and reporting.

The enclosed data table lists analytical information obtained from wastewater samples collected at various points along the treatment system. Review of this information indicates it to have been operating at a high degree of efficiency. Five day Biochemical Oxygen Demand dropped 97% from the primary clarifier influent to the final effluent. Total Suspended Solids concentrations were decreased by 87%. Comparison of split sample results obtained by our repective analytical groups reveals an acceptable degreee of variation. A calculation of effluent loading to the Columbia River indicates the mill to have been well within existing NPDES permit conditions (see enclosed annual inspection report form).

A review of analytical procedures and record keeping techniques in use at the treatment plant and at the main laboratory revealed no significant discrepancies. One item of discussion was the mill's current practice of holding some of it's final effluent composites (at 4°C) for BOD set up later in the week. I noted that the DOE generally considers this to be an unacceptaable practice, which could result in a substantial reduction in BOD values. This point was made earlier during the department's 11/28/78 wastewater inspection and was addressed in Dick Wirtz's letter of reply dated June 4, 1979 (to John Stetson). I have reviewed this information and agree with Dick's contention that the small reduction noted between samples run fresh and those held does not warrent changing to a daily set-up type of operation.

Another topic of discussion during my November 15 meeting concerned Longview Fibre's schedule for running salmonid toxicity bioassays (on the final effluent). Dick mentioned that prior to last year's strike he had been running them monthly but that since then none have been performed. I have discussed this item with George Houck and feel that your staff should make arrangements to begin these tests again, though at a reduced frequency. I suggest that you establish a structured schedule for performing these tests on a semiannual basis. The results of each analysis should be forwarded to the Department of Ecology (c/o the Industrial Section) within 30 days of completion. Tests should be performed in accordance with DOE's bioassay procedure (copy enclosed).

Please feel free to contact me if you have questions or comments regarding this letter or the attached information.

Respectfully,

Roger F. Stanley
Industrial Section

RFS:lf

cc: George Houck, Industrial Section
Bob Bishop, Industrial Section
Merley McCall, S.W. Region

Analytical Information Obtained from Wastewater Samples
Collected at Longview Fibre, Longview, Washington
November 15, 1979

Parameter	Primary Influent (Grab)	Unox Influent (Grab)	Unox Effluent (Grab)	Final Effluent (Composite)	Sanitary Effluent (Grab)
Biochemical oxygen demand - mg/l	150	100	520	5 10 (Mill)	4
Chemical oxygen demand - mg/l	730	-	-	170	-
Total solids - mg/l	1300	1000	4700	940	180
Total nonvolatile solids - mg/l	760	760	1200	750	95
Total suspended solids - mg/l	330	52	3600	43 54/45 (Mill)	39
Total suspended nonvolatile solids - mg/l	27	1	410	1	3
Color - pcu	820	-	-	510	-
pH - su	8.0	6.5	5.8	6.3	-
Total residual chlorine - mg/l (DPD)	-	-	-	-	2.5
Flow - mgd	-	-	-	52.3	-